

APCD Analytic and Technical Workgroup:

Discussing challenges and opportunities for improving the
standardization of Provider File data

January 24, 2011



DIVISION OF
Health Care
Finance and Policy

Introductions

- Betty Harney (Director of Data Enhancement and Standardization)
- Kathy Hines (Director of Data Compliance and Support)
- Marc Prettenhofer (Project Manager – Senior Business Analyst)
- Paul Smith (APCD Liaison)
- Young Joo (Director of Data Strategies)
- Adam Tapply (Intern)

Objectives for today's meeting

- Review specific uses of provider data
- Provide an overview of the APCD Provider File
- Discuss challenges with standardizing provider data and improving data quality for analysis
- Address questions from workgroup participants

Uses of standardized APCD provider data to support robust analyses

1. DHCFP mandated reporting and analysis

- Total Medical Expenses and Relative Prices



**Commonwealth
of Massachusetts**

**Deval L. Patrick
Governor**

**Timothy P. Murray
Lieutenant Governor**

**JudyAnn Bigby, M.D.
Secretary
Executive Office of Health
and Human Services**

**Seena Perumal Carrington
Acting Commissioner
Division of Health Care
Finance and Policy**

Massachusetts Total Medical Expenses: 2009 Baseline Report

June 2011

Massachusetts Total Medical Expenses: 2009 Baseline Report

Massachusetts Total Medical Expenses

2009 Baseline Report

Section 4: Physician Group Total Medical Expenses

Method: Physician groups were included in this analysis if they had at least 36,000 member months, the equivalent of 3,000 members, in managed care plans for a given payer over the reporting time period. Physician group reporting occurred at both the "parent" level and the "local" level. The "parent

physician group" refers to local practice groups. Some local practice groups; in some cases, the parent physician group contracted with the data has been excluded from dividing payer-specific physician adjusted TME for the group relative TME for parent physician group.

This section explores the physician networks of the Pilgrim Health Care, and total medical spending of with a particular group. does not, have relatively group TME to number of members across higher and

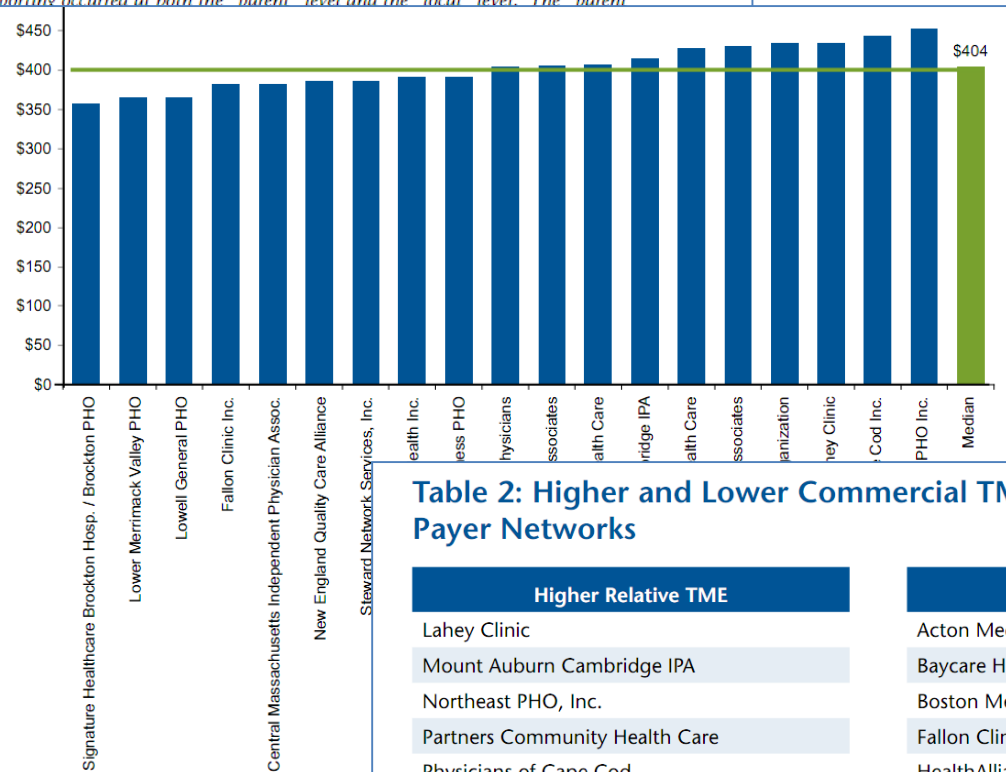


Table 2: Higher and Lower Commercial TME Parent Physician Groups Across Payer Networks

Higher Relative TME	Lower Relative TME
Lahey Clinic	Acton Medical Associates*
Mount Auburn Cambridge IPA	Baycare Health Partners Inc.*
Northeast PHO, Inc.	Boston Medical Center Management Services*
Partners Community Health Care	Fallon Clinic Inc.
Physicians of Cape Cod	HealthAlliance with Physicians*
South Shore Physicians Hospital Organization	Lower Merrimack Valley PHO
Sturdy Memorial Hospital and Associates	Lowell General PHO
U Mass Memorial Health Care	New England Quality Care Alliance*
	Steward Network Services, Inc.*

Uses of standardized APCD provider data to support robust analyses

1. DHCFP mandated reporting and analysis
 - Total Medical Expenses and Relative Prices
2. Sister agencies: to facilitate administrative simplification
 - Patient-Centered Medical Home Initiative (PCMHI) utilization and efficiency reporting to providers
 - Health Care Quality and Cost Council's *My Health Care Options* website

Comparison of Providers

 [Start New Search](#)
 [Return to Search Results](#)
[Bookmark](#)

Choose a Topic

Patient Safety

[Influenza Vaccination](#)[Patient Safety](#)[Serious Reportable Events](#)[Surgical Care](#)

Patient Experience

[Patient Experience](#)

Bone and Joint Care

[Back Procedure](#)[Hip Fracture](#)[Hip Replacement](#)[Knee Replacement](#)

Cardiovascular Disease

[Angioplasty](#)[Bypass Surgery](#)[Cardiac Screening Tests](#)[Heart Attack](#)[Heart Failure](#)[Heart Valve Surgery](#)[Stroke](#)

Digestive System

[Gall Bladder](#)[Intestinal Surgery](#)[Weight-Loss Surgery](#)

Hip Replacement

People with severe arthritis or other hip problems may choose to have hip replacement surgery. This is when doctors replace the damaged hip with a prosthetic (artificial or mechanical) one. [\(more\)](#)

Diagnostic classification: Hip Replacement (APR-DRG 301)

Summarized Report

[View Detailed Report](#)[View Statewide
Procedure Costs](#)

Quality of Care

[\(more\)](#)

	Mount Auburn Hospital	New England Baptist Hospital
Quality Rating	☆☆	☆☆
Statistical Significance	Not Different from State Average Quality	Not Different from State Average Quality

Cost of Care

[\(more\)](#)

	Mount Auburn Hospital	New England Baptist Hospital
Cost Rating	\$	\$\$\$
Statistical Significance	Below Median State Cost	Above Median State Cost

Heart Failure

Heart Valve Surgery

Stroke

Digestive System

Gall Bladder

Intestinal Surgery

Weight-loss Surgery

Obstetrics

Cesarean Section

Normal Newborn

Ultrasound

Vaginal Delivery

Outpatient Diagnostic

CT Scan

MRI

X-Ray

Outpatient Radiation

Radiation Treatment

Respiratory

COPD

Pneumonia

Women's Health

Mammogram

Cost of Care

Note: Because the numbers shown below were rounded for this report, the values may appear inconsistent with the dollar sign ranking. For more information, click here: [\(more\)](#)

	Mount Auburn Hospital	New England Baptist Hospital	State Wide
Cost Rating	\$	\$\$\$	
Statistical Significance	Below Median State Cost	Above Median State Cost	
High Cost	\$22,000	\$25,500	\$26,500
Median Cost	\$18,500	\$25,000	\$22,000
Low Cost	\$17,000	\$16,500	\$16,000

Data Provided by Health Care Quality and Cost Council. (HCQCC) [7/1/2008 - 6/30/2009 with claims paid through 12/31/2009].

Number and Severity of Cases

[\(more\)](#)

	Mount Auburn Hospital	New England Baptist Hospital	State Wide
Number of Patients	187	2010	10399
Percentage of patients whose severity of illness was major or extreme (higher is more experience with complex patients)	7%	8%	13%

Data Provided by Division of Health Care Finance and Policy [10/1/2008 - 9/30/2009]

Quality of Care - State Legend



Below State Average Quality.



Not Different from State Average Quality.

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 - Health Care Quality and Cost Council's *My Health Care Options* website
3. External users
 - Massachusetts Health Quality Partners' (MHQP) Annual Clinical Quality in Primary Care

[clinical quality](#)[medical group](#)[performance](#)[key findings](#)[q & a](#)[helpful resources](#)[technical appendix](#)[disclaimer](#)[acknowledgements](#)[letters of support](#)[patient experiences](#)[hospital quality](#)

Sign Up for
MHQP's Email List

Enter Your Email:

Join



QUALITY INSIGHTS: CLINICAL QUALITY IN PRIMARY CARE

Begin By Selecting Massachusetts Medical Groups...



By distance from a particular zip code:

Find medical groups within

5 miles



of zip code:



Search



By name of a medical group:

Enter medical group name:



Search



By name of a doctors' office:

Enter doctors' office name:



Search

Uses of standardized APCD provider data to support robust analyses

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3. External users

- Massachusetts Health Quality Partners' (MHQP) Annual Clinical Quality in Primary Care
- Build episodes-of-care (ETGs) to measure and compare the clinical and financial performance of network physicians and other health care providers
- What other uses and benefits do researchers, employers, payers, providers, and other stakeholders anticipate from the provider file?

APCD Website

APCD Website - www.mass.gov/dhcfp/apcd

The screenshot shows the All-Payer Claims Database (APCD) website within a Windows Internet Explorer browser window. The browser's address bar displays the URL: <http://www.mass.gov/eohhs/researcher/physical-health/health-care-delivery/hcf-data-resources/apcd/>. The website header features the Mass.gov logo, navigation links for State Agencies and A-Z Topics, and a status bar indicating "Alert - No Active Alerts". The main content area is titled "Health and Human Services" and includes a search bar. Below the header, there are four tabs: Consumer, Provider, Researcher, and Government. The "Researcher" tab is selected, leading to a page titled "All-Payer Claims Database (APCD)". The page content includes a description of the APCD as a database of medical, pharmacy, and dental claims, and a link to the "All-Payer Claims Database Overview". A sidebar on the right lists "Related Links" such as "November 22nd Technical Workgroup Presentation" and "Blog: APCD Community Engagement - Public Forums". The bottom of the page features a section for "Join an APCD email list".

All-Payer Claims Database (APCD)

The APCD is a database comprised of medical, pharmacy, and dental claims, and information from the member eligibility, provider, and product files encompassing fully-insured, self-insured, Medicare, and Medicaid data. The APCD will afford a deeper understanding of the Massachusetts health care delivery system by providing access to timely and accurate data essential to improving quality, reducing costs, and promoting transparency.

[All-Payer Claims Database Overview](#)

[Word Version](#)

APCD Events

DHCFP hosts meetings to provide updates related to the APCD as well as receive input from interested parties.

User Resources

Please see All-Payer Claims Database User Submission Guides, Technical Assistance Group (TAG) Conference Call Information and a schedule of upcoming APCD events.

Join an APCD email list

Join an email list for APCD technical assistance and notification of data release applications.

Related Links

- [November 22nd Technical Workgroup Presentation](#)
- [Blog: APCD Community Engagement - Public Forums](#)
- [APCD Events](#)
- [Blog: APCD Engagement and Transparency](#)
- [Blog: Engaging You in 2011](#)
- [See All](#)

APCD User Resources

User Resources - Health and Human Services - Mass.Gov - Windows Internet Explorer






















http://www.mass.gov/eohhs/researcher/physical-health/health-care-delivery/hcf-data-resources/apcd/user-resources.html

Google

★ Favorites User Resources - Health and Human Services - Mass....

Page Safety Tools

All-Payer Claims Database User Submission Guides

User Submission Guides	Format	Edits
Medical Claims File Submission Guide	PDF  / Word 	Zip File 
Pharmacy Claims File Submission Guide	PDF  / Word 	Zip File 
Dental Claims File Submission Guide	PDF  / Word 	Zip File 
Member Eligibility File Submission Guide	PDF  / Word 	Zip File 
Product File Submission Guide	PDF  / Word 	Zip File 
Provider File Submission Guide	PDF  / Word 	Zip File 
Master List of File Edits (includes edits to Medical Claims, Dental Claims, Pharmacy Claims, Member Eligibility, Product File, and Provider File)	PDF  / Excel 	Zip File 

Internet 200%

APCD Provider File (PV) includes a number of fields to identify providers

- Demographics
 - First Name, Last Name, Middle Initial, Suffix
 - Street Address, City, State, Zip Code
- Dates
 - Start/end date and Provider affiliation start/end date
- Provider Specialty
 - Taxonomy, Provider Type Code, Primary Specialty Code
- Provider ID (PV002)
 - The unique number for every service provider (persons, facilities or other entities involved in claims transactions) that a carrier has in its system
 - This field may or may not be the provider NPI
 - This field is used to uniquely identify a provider and that provider's affiliation and a provider and a provider's practice location within the provider file

Some identifiers are not always reliable for standardizing providers

- National Provider Identification (NPI)
 - Unique identification number for covered health care providers but a single provider may have more than one registered NPI
- Tax IDs
- Social Security Numbers

Various tools are available for cleansing, augmentation, and integration of provider data

The screenshot shows the MHQP website with the logo "MHQP MASSACHUSETTS HEALTH QUALITY PARTNERS" and the tagline "trusted information. quality insights." The navigation bar includes "home", "quality reports", and "guidelines". A "What's New..." section on the left contains several news items, including "The Partnership for Healthcare Excellence has merged with MHQP" and "Greater Boston alliance receives \$1.3 million to lift the quality of Boston's health care." A "HEALTH CARE" section on the right features a photo of a house and the text "VIEW OUR Quality Insights".

INGENIX.

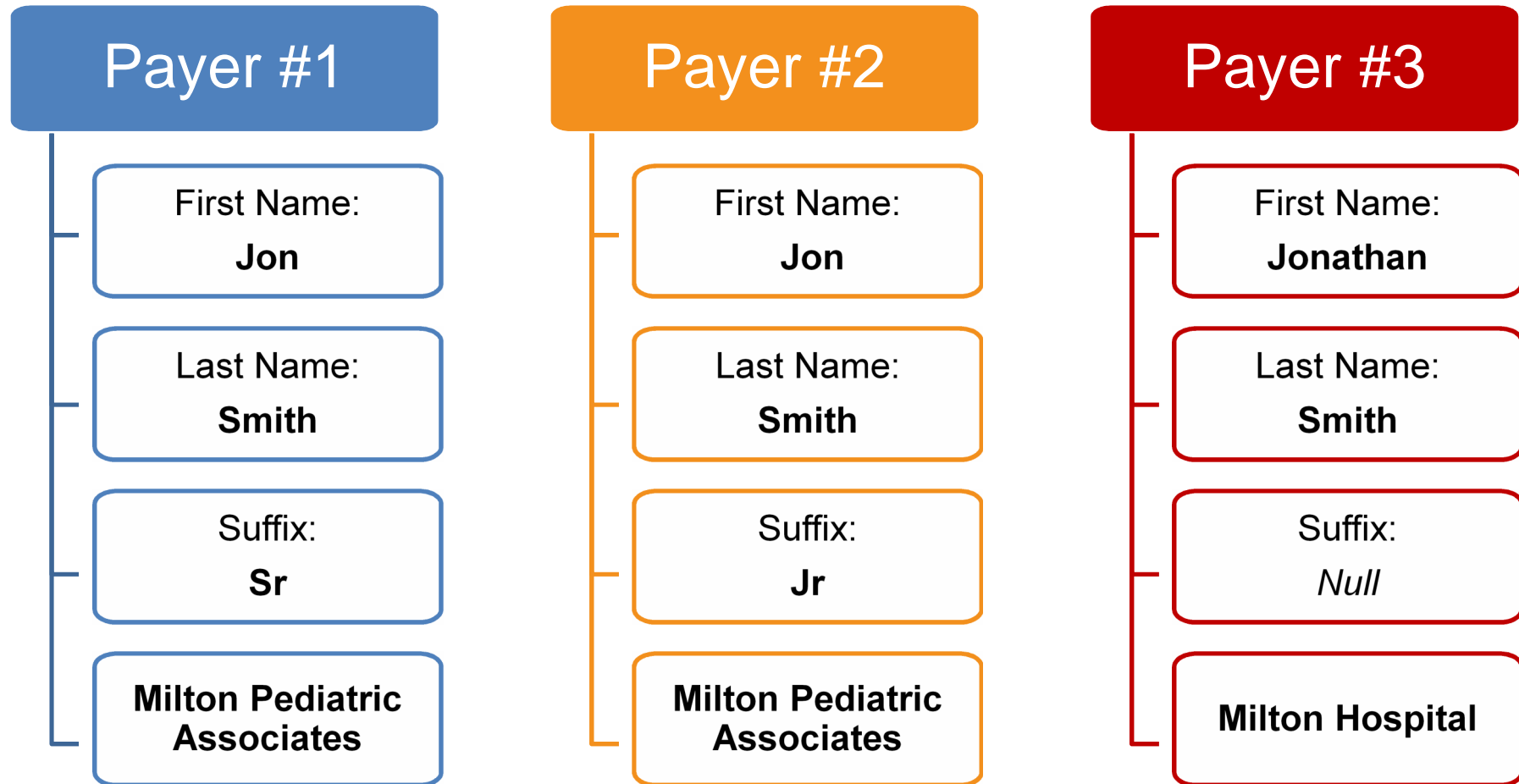
Provider Data Solutions

The screenshot shows the Enclarity website with the logo "enclarity" and a search bar. The navigation bar includes "The Enclarity Advantage", "Careers", "Media", and "Contact Us". A "Helpful Links" section lists various Enclarity Solutions, including "ProviderPoint@", "ProviderLookup@", "ProviderSelectFile@", "ProviderPoint for Claims Cleansing", "ProviderPoint for Claims Indexing", "ProviderPoint for Life Sciences", "ProviderPoint Network Optimization Svcs", "ProviderPoint Data Integration Svcs", "ProviderPoint Web Services", "ProviderPoint Master Provider File Accuracy", "Enclarity Email Append", "Enclarity Physician Office Attributes", "NPI Match@", and "NPI Industry Information". A "Fact Sheet PDF Downloads" section lists "ProviderPoint@", "ProviderLookup@", "ProviderSelectFile@", and "ProviderPoint For Claims Cleansing". A "Master Provider Referential Database" section features a diagram of a funnel labeled "AcuSync" with "Data Sources", "Advanced Analytics", and "Verification" inputs, leading to a "Master Provider Referential Database" output. The text describes Enclarity ProviderPoint as a secure, hosted service designed to cleanse, standardize, consolidate, de-duplicate, augment and integrate provider data from across multiple systems within an enterprise. It also mentions "The highest quality information" and states that Enclarity delivers the highest quality information by tapping the best data sources, assembling the right information via its innovative AcuSync® process, and systematically verifying the results. The result is a storehouse of correct, current, comprehensive information that Enclarity calls its Master Provider Referential Database.

Challenges with standardizing provider data across payers

- Incomplete or incorrect data values
 - APCD implements intake edits, thresholds, and variances
- Inconsistent data formats
 - Example: Cardiology vs. Cardiologist
 - Examples: Two Boylston Street vs. 2 Boylston St. vs. 2 Boylston Street, # 5
- Dynamic provider information
 - National Provider Identification (NPI) matching
 - Deceased providers
- Provider affiliations are complex
 - Affiliations for providers vary by carrier

Challenges with standardizing provider data across payers



Q&A session

- Open discussion
 - What other challenges have you encountered using provider data?
 - What lessons should the Massachusetts APCD learn from your prior experiences with standardizing provider data?
 - What tools should the APCD consider utilizing to enhance provider data?
 - What information from the Provider File is critical for DHCFP to include in an extract file?
- Questions from webinar participants
- Questions emailed to DHCFP (dhcfp.apcd@state.ma.us)

APCD Workgroup Meetings and Events

Upcoming Schedule

APCD Analytic Workgroup

3rd Tuesday of each month

Feb. 21st @ 2pm EST

APCD Technical Workgroup

4th Tuesday of each month

Feb. 28th @ 2pm EST

APCD Data Release

Consultative Sessions

Friday, March 2nd @ 9am EST
Wednesday, March 7th @ 2pm EST

For meeting materials and information, please visit:

www.mass.gov/dhcfp/apcd